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(71) Applicant (*for all designated States except US*):
RES-DEL INTERNATIONAL LIMITED [GB/GB]; 33
Market Place, Henley-on-Thames, Oxfordshire RG9 2AA
(GB).

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): **REES, Douglas**
[GB/GB]; Apartment 3, St. Hilda's Wharf, 160 Wapping
High Street, London E1W 3PG (GB).

(74) Agent: **WOLFF, Francis, Paul**; UDL Thames Valley,
1 Richfield Place, Richfield Avenue, Reading RG1 8EQ
(GB).

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(54) Title: **PHYSIOLOGICAL MEDIUM FOR PERFUSING, PRESERVING AND STORING ISOLATED CELL, TISSUE AND ORGAN SAMPLES**

(57) Abstract: A physiological liquid medium is provided having the basic, synergistic components to allow its universal application in preserving cellular and functional integrity *in vitro* of different cell, tissue and organ types isolated from different mammalian species. The medium comprises an aqueous solution in sterile purified water of: i) a salt component comprising: a) from 100 to 150 mmol/L of sodium ions, b) from 2.5 to 6.2 mmol/L of potassium ions, c) from 1.0 to 2.5 mmol/L of calcium ions, d) from 0.4 to 25 mmol/L of magnesium ions, and e) from 96 to 126 mmol/L of chloride ions; ii) a buffer component comprising: f) from 21 to 27 mmol/L of bicarbonate ions, and g) from 1 to 12 mmol/L of TES, MOPS or BES; iii) a substrate component comprising: h) 2 to 11 mmol/L of glucose, i) 50 to 150 μ mol/L of glycerol and j) 7 to 15 μ mol/L of choline; iv) an amino acid component comprising: k) 5 to 400 μ mol/L of glutamate, l) 5 to 200 μ mol/L of aspartate and m) 100 to 2000 μ mol/L of glutamine; v) a co-enzyme component comprising: n) 1 to 120 mmol/L of thiamine cocarboxylase; vi) a vitaminoid component comprising: o) 40 to 70 μ mol/L of D- or DL- or L-carnitine; vii) a protein component comprising: p) 5 to 200 m I.U./L of porcine or human insulin.

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| A | WO 98 04127 A (STANKO RONALD T) 5 February 1998 (1998-02-05) cited in the application the whole document page 9 --- | 1-14 |
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Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Bertrand, F

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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